

# EPA's Non-CBI Summary Tables for 2014 Company Progress Reports

<http://epa.gov/oppt/pfoa/pubs/preports.htm>

**Table 1. Reported Emissions and Product Content of PFOA, Precursors, and Higher Homologues from U.S. Operations**

Company	Reduction Year	Chemical Category	Emissions		Product Content		
			Releases to all media from FP and Telomer Manufacturing (kg)	kg of release / kg of product produced	Dispersions (ppm wet-weight basis)	Other Fluoropolymers (ppm dry-weight basis)	Telomers (ppm dry-weight basis, unless stated otherwise)
Arkema	2013	PFOA, PFOA salts and Higher Homologues	>500 – 2,000	>0.0001-0.0005	0	>5-20	Not Applicable
		Precursors	Not Applicable				
Asahi	2013	PFOA, PFOA salts and Higher Homologues	0	Not Applicable	0	0	Not Applicable
		Precursors	Not Applicable				
Ciba/BASF	2013	PFOA	Not Applicable				
		Higher Homologues					
		Precursors					
Clariant	2013	PFOA and PFOA salts	Not Applicable				
		Direct Precursors					
Daikin	2014	PFOA	0	0	0	0	0
		Precursor and Higher Homologues	0	0	Not Applicable	Not Applicable	0
DuPont	2013	PFOA and PFOA Salts	90	None reported	2	2	9 kg <sup>1</sup>
		Higher Homologues	None Reported	None reported			None reported
		Precursors	CBI	None reported	None reported	None reported	<8 kg <sup>1</sup>
Dyneon/3M	2013	PFOA, PFOA salts and Higher Homologues	0	0	0	0	No Telomer Production
		Precursors	0				
Solvay Solexis	2013	PFOA, PFOA salts and Higher Homologues	0	0	<2	<1 ppb	Not Applicable
		Precursors	Not Applicable				

<sup>1</sup> Global number – regional data are CBI

**Table 2. Reported Emissions and Product Content of PFOA, Precursors, and Higher Homologues from Non-U.S. Operations**

Company	Reduction Year	Chemical Category	Emissions		Product Content		
			Releases to all media from FP and Telomer Manufacturing (kg)	kg of release / kg of product produced	Dispersions (ppm wet-weight basis)	Other Fluoropolymers (ppm dry-weight basis)	Telomers (ppm dry-weight basis, unless stated otherwise)
Arkema	2013	PFOA, PFOA salts and Higher Homologues	>500 – 2,000	>0.0003-0.0008	Not Applicable	> 25-75	Not Applicable
		Precursors	Not Applicable				
Asahi	2013	PFOA, PFOA salts and Higher Homologues	20.1	For FP Production: <1 kg / 100 kg	Not Applicable	18	Negligible compared to precursors
		Precursors	0	For Telomer Production: <1 kg / 100 kg	Not Applicable	Not Applicable	Average 50% (range: 0-100%)
Ciba/BASF	2013	PFOA	Not Applicable				
		Higher Homologues					
		Precursors					
Clariant	2013	PFOA and PFOA salts	1.0	None reported	None reported	None reported	<1 kg
		Direct Precursors	<1.5	None reported	None reported	None reported	<7 kg
Daikin	2014	PFOA	Not reported				
		Precursor and Higher Homologues					
DuPont	2013	PFOA and PFOA salts	45	None reported	1	0	See note <sup>2</sup>
		Higher Homologues	None reported	None reported			None reported
		Precursors	CBI	None reported	None reported	None reported	See note <sup>2</sup>
Dyneon/3M	2013	PFOA, PFOA salts and Higher Homologues	0	0	0	0	No Telomer Production
		Precursors	0				
Solvay Solexis	2013	PFOA, PFOA salts and Higher Homologues	Not Applicable				
		Precursors	Not Applicable				

<sup>2</sup> Global number reported in table 1

**Table 3. Reported Percent Reductions in Emissions and Product Content of PFOA, Precursors, and Higher Homologues from U.S. Operations (cumulative percent reductions from baseline year through end of 2013)**

Company	Reduction Year	Chemical Category	% Reduction in Emissions	% Reduction in Product Content		
			% Reductions in total quantity of chemical(s) released from baseline year	Fluoropolymer Dispersions	Other Fluoropolymers	Telomer based products
Arkema	2013	PFOA, PFOA salts and Higher Homologues	91%	100%	96%	Not Applicable
		Precursors	Not Applicable			
Asahi	2013	PFOA, PFOA salts and Higher Homologues	100%	100%	100%	Not Applicable
		Precursors	Not Applicable			
Ciba/BASF	2012	PFOA	Not Applicable			
		Higher Homologues				
		Precursors				
Clariant	2013	PFOA and PFOA Salts	Not Applicable			
		Direct Precursors				
Daikin	2014	PFOA	100%	100%	100%	100%
		Precursor and Higher Homologues	100%	Not Applicable	Not Applicable	100%
DuPont	2013	PFOA and PFOA Salts	99.8%	99.9%	99%	99% <sup>3</sup>
		Higher Homologues	None reported			
		Precursors	CBI	None reported	None reported	98% <sup>3</sup>
Dyneon/3M	2013	PFOA, PFOA salts and Higher Homologues	100%	100%	Not Applicable	Not Telomer Production
		Precursors	No Precursor Production.			
Solvay Solexis	2013	PFOA, PFOA salts and Higher Homologues	>99.999%	>99.999%	>99.999%	Not Applicable
		Precursors	Not Applicable			

<sup>3</sup> Global number – regional data are CBI

**Table 4. Reported Percent Reductions in Emissions and Product Content of PFOA, Precursors, and Higher Homologues from Non-U.S. Operations (cumulative percent reductions from baseline year through end of 2013)**

Company	Reduction Year	Chemical Category	% Reduction in Emissions	% Reduction in Product Content		
			% Reductions in total quantity of chemical(s) released from baseline year	Fluoropolymer Dispersions	Other Fluoropolymers	Telomer based products
Arkema	2013	PFOA, PFOA salts and Higher Homologues	CBI	Not Applicable	CBI	Not Applicable
		Precursors	Not Applicable			
Asahi	2013	PFOA, PFOA salts and Higher Homologues	99.8%	100%	99.9%	Negligible as compared to precursors.
		Precursors	100%	Not Applicable	Not Applicable	100%
Ciba/BASF	2012	PFOA	Not Applicable			
		Higher Homologues				
		Precursors				
Clariant	2013	PFOA and PFOA Salts	>80%	None Reported	None Reported	90%
		Direct Precursors	>85%	None Reported	None Reported	94%
Daikin	2014	PFOA	Not reported			
		Precursor and Higher Homologues				
DuPont	2013	PFOA and PFOA Salts	99.8%	99.9%	100%	See note <sup>4</sup>
		Higher Homologues	None reported			
		Precursors	CBI	None reported	None reported	See note <sup>4</sup>
Dyneon/3M	2013	PFOA, PFOA salts and Higher Homologues	100%	100%	100%	No Telomer Production
		Precursors	No Precursor Production			
Solvay Solexis	2013	PFOA, PFOA salts and Higher Homologues	Not Applicable			
		Precursors	Not Applicable			

<sup>4</sup> Global number reported in table 3